

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

March

2010

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

April 15, 2010

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

Only a few rainfall events occurred during the month over the San Angelo hydrologic service area (HSA). A couple of notable events occurred during the middle of the month. Leading up to the 15th, an upper level low moved into west central Texas from near the El Paso region. This slow moving system interacted with moist Gulf air that was lifted over an old frontal boundary draped just south of the HSA. The rain showers were wide-spread across the HSA with the heaviest amounts of one to 1.5 inches were received over parts of Nolan, Tom Green, Runnels, Concho and Menard Counties. On the 19th and 20th, a strong cold front surged southeast across the area into increased low level moisture. These ingredients along with an approaching upper trough brought showers and thunderstorms to the region. A few isolated areas across the Big Country received two to three inches of rain. The southern half of the HSA received 0.25 of an inch up to 1.5 inches of rain.

The average precipitation reported from coop observers in March was 2.01 inches. The highest monthly precipitation total of 3.24 inches was reported in Taylor County. Coop observers in Concho, Haskell, Mason, San Saba, Shackelford, Taylor and Throckmorton Counties received over 2.50 inches of precipitation in March.

The San Angelo Regional Airport received 1.17 inches of rain during March, which was 0.18 of an inch above normal for the month. The monthly normal rainfall for San Angelo in March is 0.99 of an inch.

The Abilene Regional Airport received 1.76 inches of rain during March, which was 0.35 of an inch above normal for the month. The monthly normal rainfall for Abilene in March is 1.41 inches.

Junction received 1.65 inches of rain during March. The estimated average monthly rainfall in March is about 1.25 to 1.5 inches.

Coop Observer Rainfall Totals for March, 2010:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	2.14		Mertzon 12WNW	1.42
Acton Ranch	2.07		Ozona 2	1.79
Albany	2.70		Ozona 22SE	1.50
Anson	1.76		Paint Rock	1.96
Ballinger 2NW	1.57		Putnam	2.05
Brady	1.71		Red Bluff Crossing	2.21
Brownwood	1.90		Robert Lee	1.93
Burkett	1.24		Roscoe	1.36
Coleman	1.41		Rotan	2.21
Concho Park	1.76		San Angelo WFO	1.73
Eden	2.97		San Saba 7NW	2.53
Eldorado	1.40		Santa Anna 12SSE	1.80
Eldorado 10W	1.37		Silver Valley	1.98
Fort Griffin	2.97		Sonora	M
Fort McKavett	1.78		Stamford	2.26
Glen Cove 2NE	1.57		Sterling City	1.39
Hamlin	2.25		Taylor Ranch	2.68
Haskell	2.69		Throckmorton 7NE	1.94
Hords Creek	1.54		Water Valley	1.31
Humble Pump	2.03		Water Valley 11NE	2.11
Junction 4SSW	2.40		Winters 1NE	1.90
Lawn	3.24		Woodson	2.95
Mason	2.56			
Menard	2.02		(M) <i>Missing data</i>	
Merkel 12SW	2.45		(T) <i>Trace</i>	

Reservoir Conditions (end of March, 2010)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	52,750	75
Lake Stamford	52,700	45,080	87
Hubbard Creek Lake	317,800	216,460	68
Hords Creek Lake	8,800	3,830	47
Lake Brownwood	131,428	93,890	71
E.V. Spence	488,760	22,980	4
O.C. Fisher	119,200	3,890	3
O.H. Ivie	554,340	240,020	43
Twin Buttes	177,800	48,875	27

Hydro Products Issued

FLS = 2 (Small Stream Flood Advisory)

ESF = 1 (Spring Flood Outlook)

ESF = 2 (Probabilistic Forecasts)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for March across the San Angelo HSA is depicted below.

